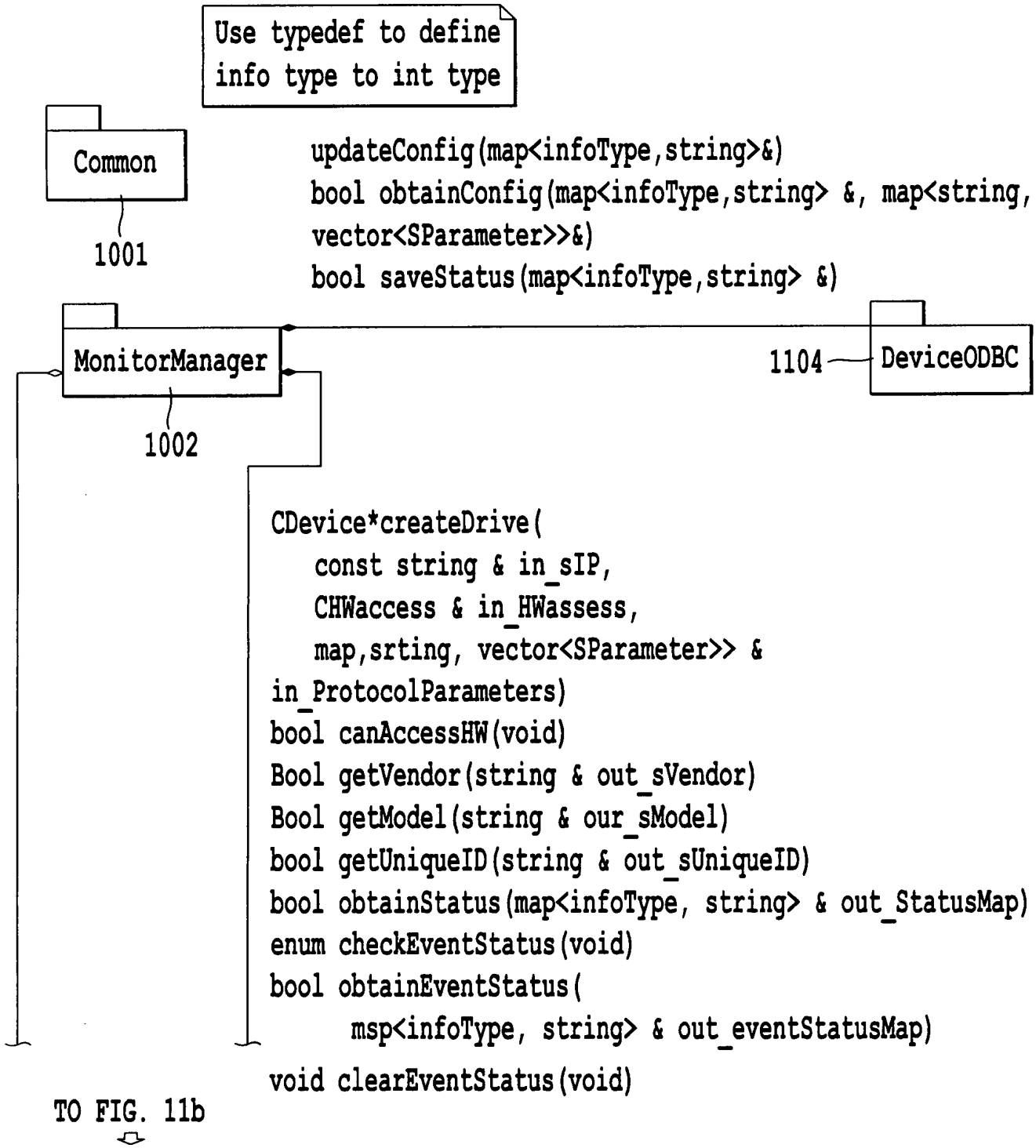
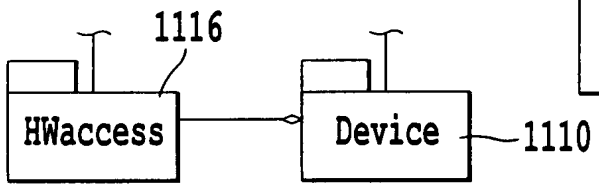
Fig. 11a



TO FIG. 11b

FROM FIG. 11a



enum rturn for checkEventStatus
should have values
eNoEventSinceClearAndNoEventDetected,
eNoEventSinceClearAndEventDetected,
eEventSinceClearAndNoEventDetected,
eEventSinceClearAndEventDetected.

```
void initBegin(void)
void initEnd(void)
bool canAccessIP(
     const string & in_sIP,
     map<string, vector<SParameter>> & in_ProtocolParameters)
bool obtainVendor(string & out_sVendor,
     map<string, vector<SParameter>> &inOut_ProtocolParameters,
     cont string & in_sIP)
bool obtainModel(string & out_sModelName,
     map<string, vector<SParameter>> & inOut_ProtocolParamerers,
     const string & in_sIP)
bool obtainUniqueID(string & out_sUniqueID,
     map<string, vector<SParameter>> & inOut_ProtocolPrarmeters,
     const string & in_sIP)
EerrorCode obtainEventStatus(
     map<infoType,string> & out_StatusMap,
     const string & in_sIP,
     map<string, vector<SParameter>> & in_ProtocolParameters)
bool obtainStatus(map<infoType,string> & out_StatusMap,
     const string & in_sIP, const string & in_sVendor,
     const string & in_sModel,
     map<string, vector<SParameter>> & in_ProtocolParameters)
```

Fig. 11b

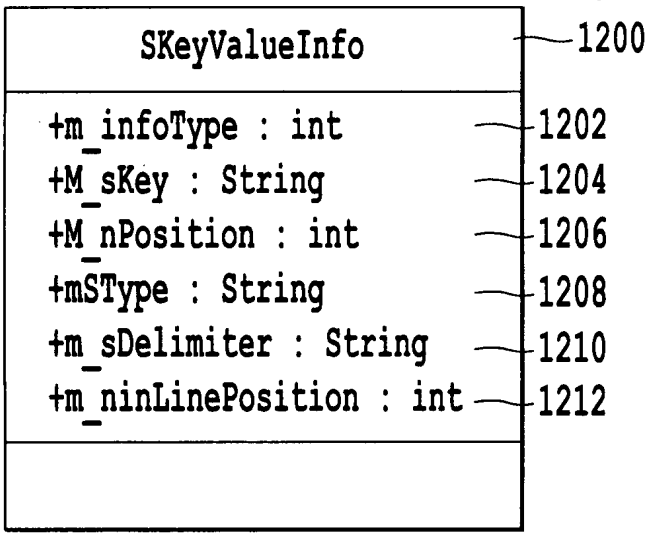

SKeyValueInfo
1200
+m_infoType : int
1202
+M_sKey : String
1204
+M_nPosition : int
1206
+mSType : String
1208
+m_sDelimiter : String
1210
+m_ninLinePosition : int
1212

Fig. 12

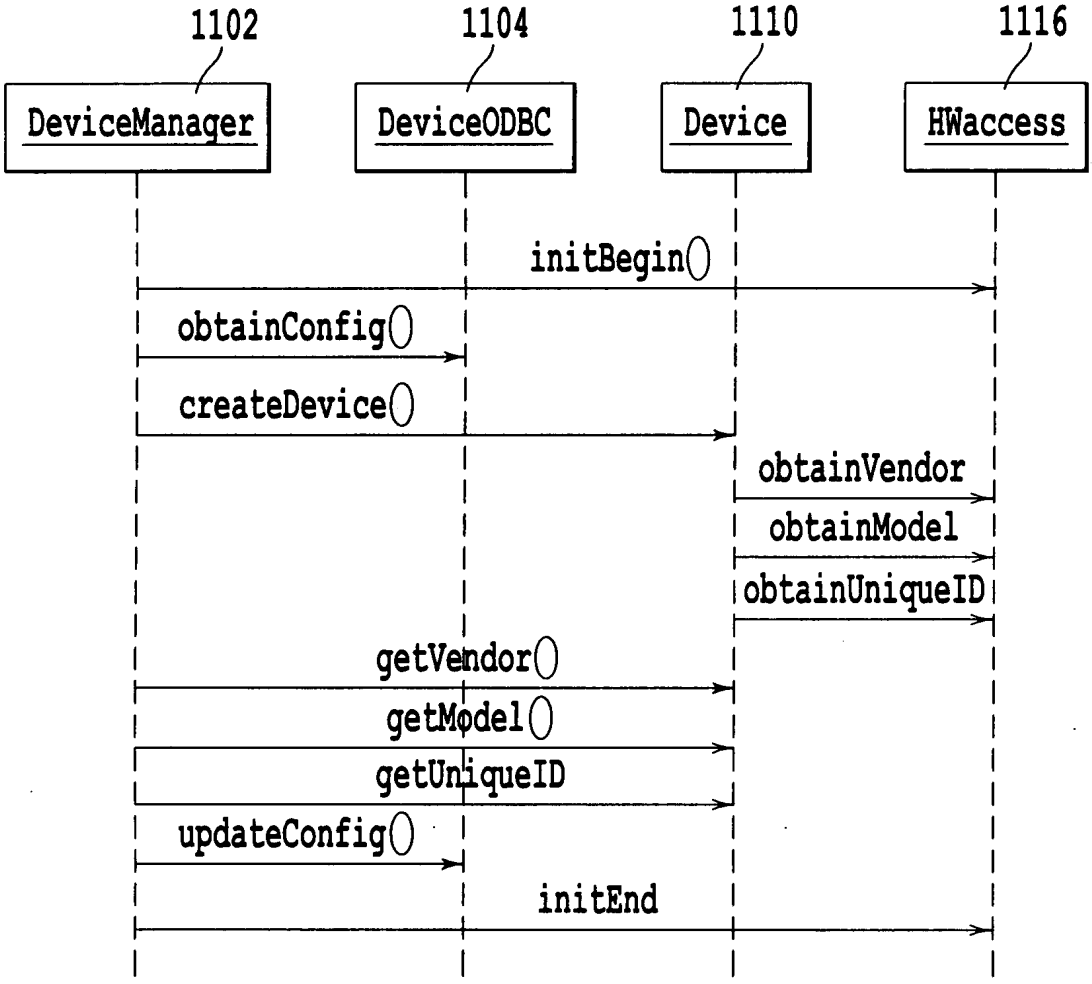

1102
1104
1110
1116
DeviceManager
DeviceODBC
Device
HWaccess
initBegin()
obtainConfig()
createDevice()
obtainVendor
obtainModel
obtainUniqueID
getVendor()
getModel()
getUniqueID
updateConfig()
initEnd

Fig. 13

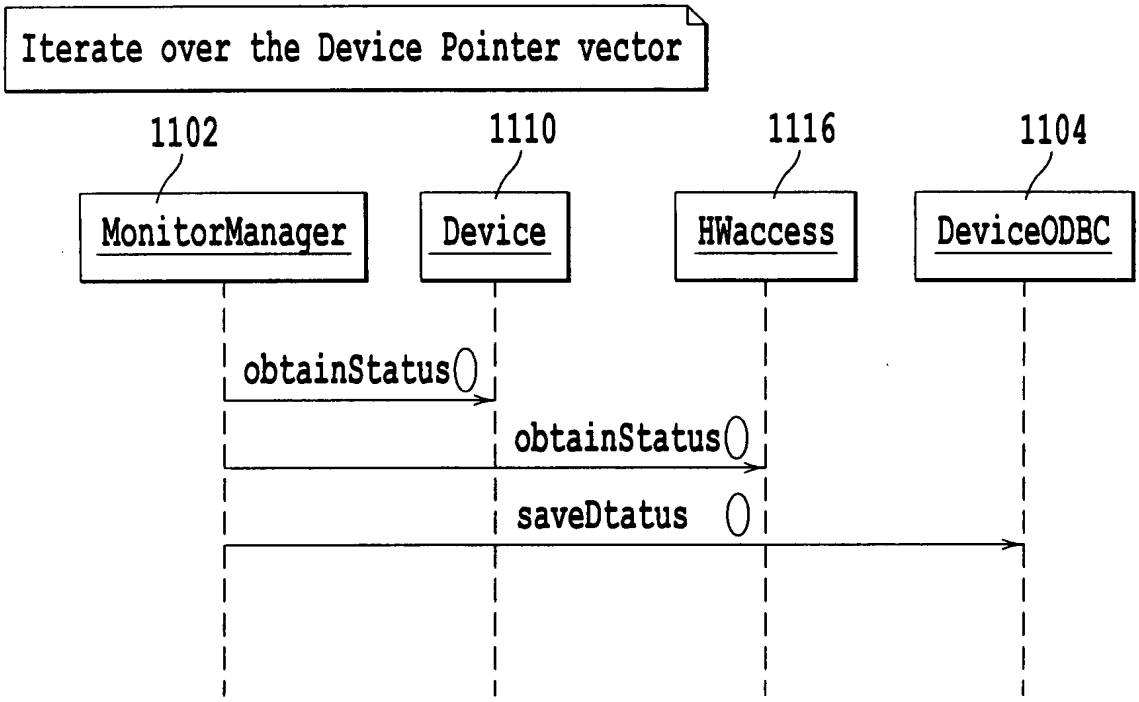

Iterate over the Device Pointer vector
1102
1110
1116
1104
MonitorManager
Device
HWaccess
DeviceODBC
obtainStatus()
obtainStatus()
saveDtatus ()

Fig. 14

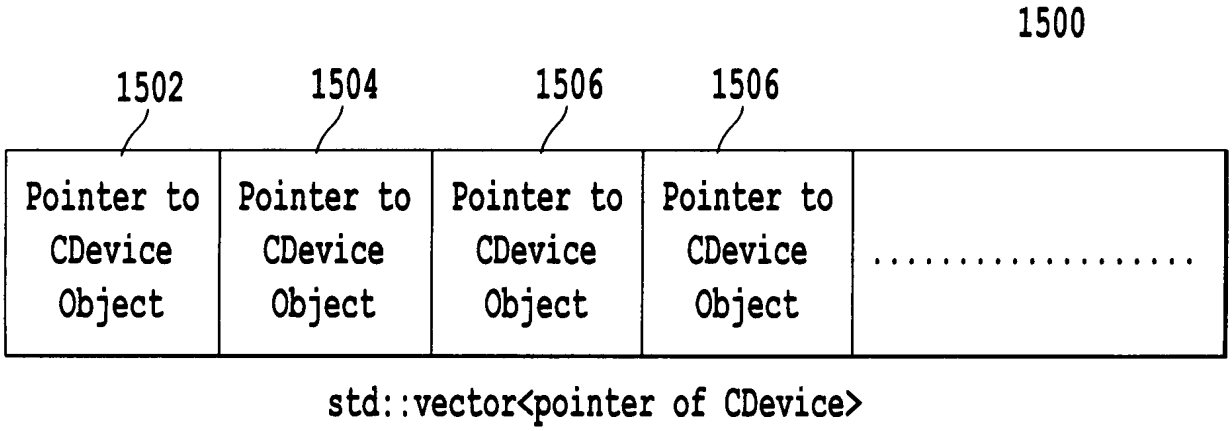

1500
1502
1504
1506
1506
Pointer to CDevice Object
Pointer to CDevice Object
Pointer to CDevice Object
Pointer to CDevice Object
.....
std::vector<pointer of CDevice>

Fig. 15

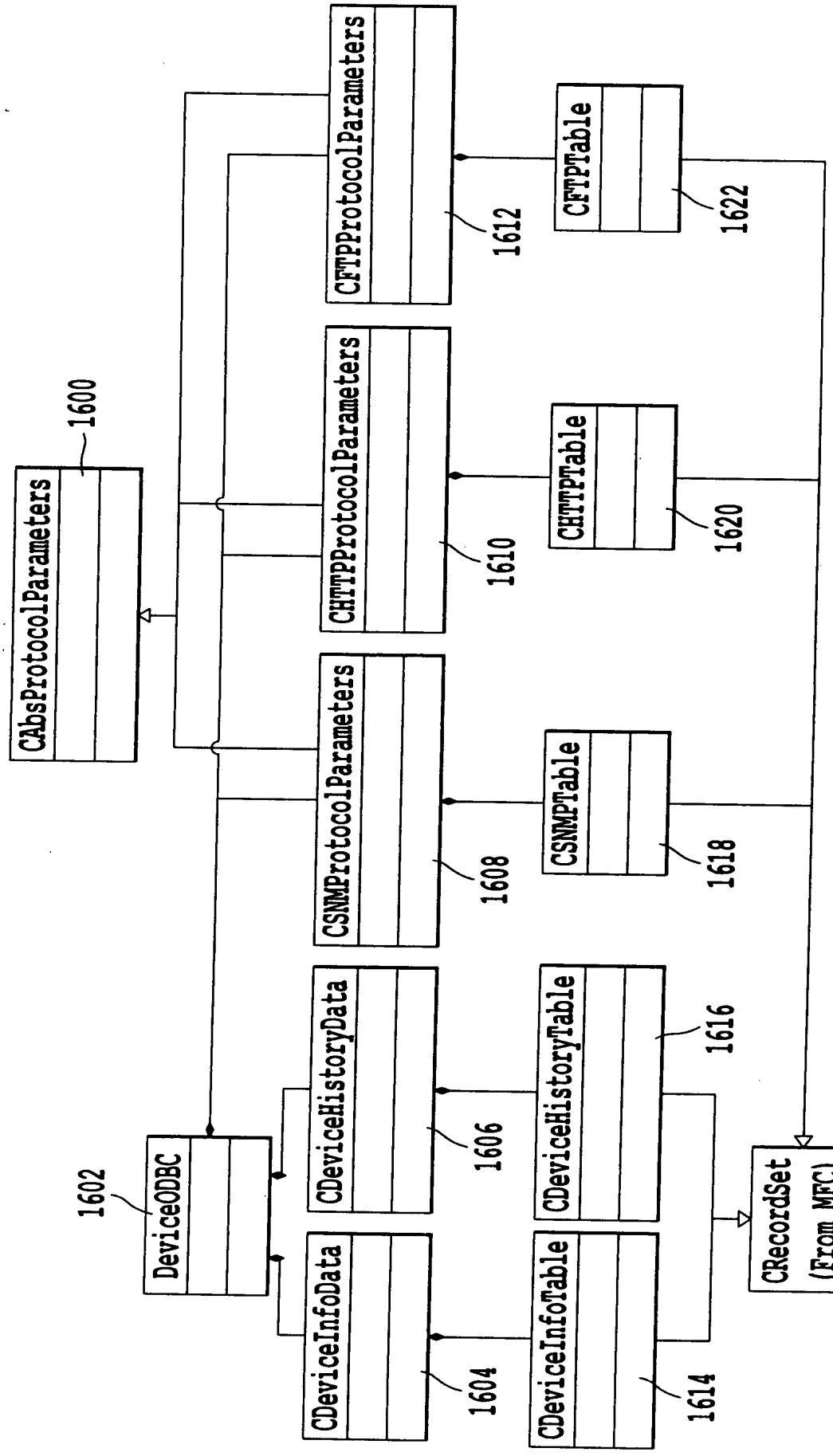

CAbsProtocolParameters
1600
CFTPProtocolParameters
1612
CFTPTable
1622
CHTTPProtocolParameters
1610
CHTTPTable
1620
CSNMPProtocolParameters
1608
CSNMPTable
1618
CDeviceHistoryData
1606
CDeviceHistoryTable
1616
DeviceODBC
1602
CDeviceInfoData
1604
CDeviceInfoTable
1614
CRecordSet
(From MFC)
1624

Fig. 16

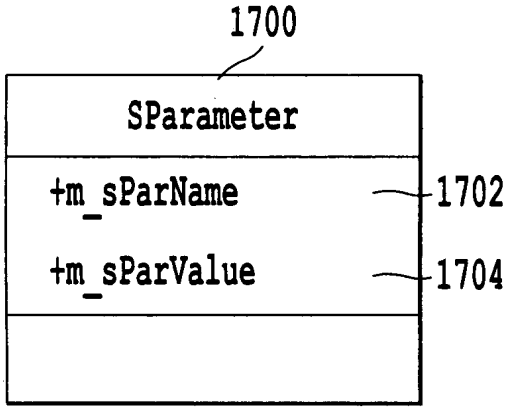

1700
SParameter
+m_sParName
1702
+m_sParValue
1704

Fig. 17

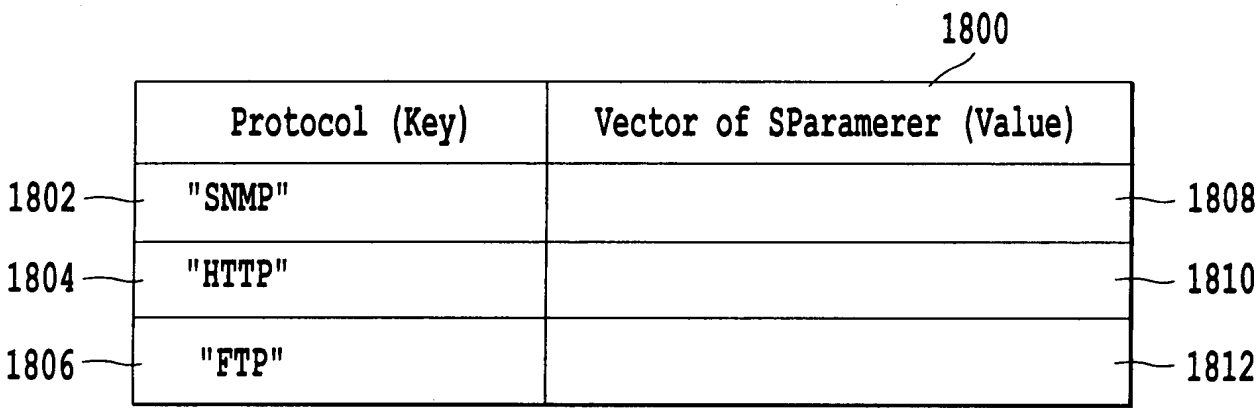

1800
Protocol (Key)
Vector of SParamerer (Value)
1802
"SNMP"
1808
1804
"HTTP"
1810
1806
"FTP"
1812

Fig. 18

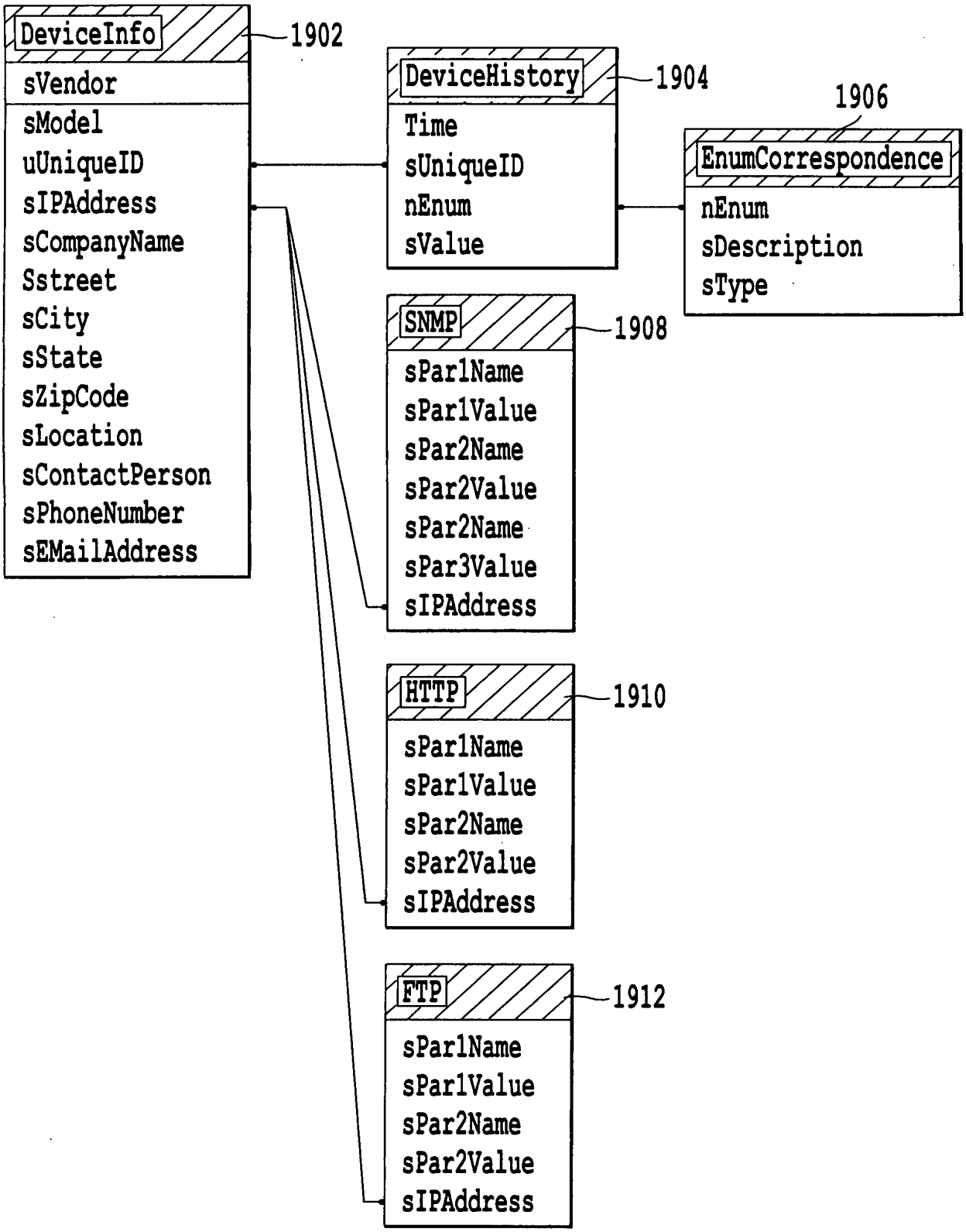

DeviceInfo
1902
sVendor
sModel
uUniqueID
sIPAddress
sCompanyName
Sstreet
sCity
sState
sZipCode
sLocation
sContactPerson
sPhoneNumber
sEMailAddress
DeviceHistory
1904
Time
sUniqueID
nEnum
sValue
1906
EnumCorrespondence
nEnum
sDescription
sType
SNMP
1908
sPar1Name
sPar1Value
sPar2Name
sPar2Value
sPar2Name
sPar3Value
sIPAddress
HTTP
1910
sPar1Name
sPar1Value
sPar2Name
sPar2Value
sIPAddress
FTP
1912
sPar1Name
sPar1Value
sPar2Name
sPar2Value
sIPAddress

Fig. 19

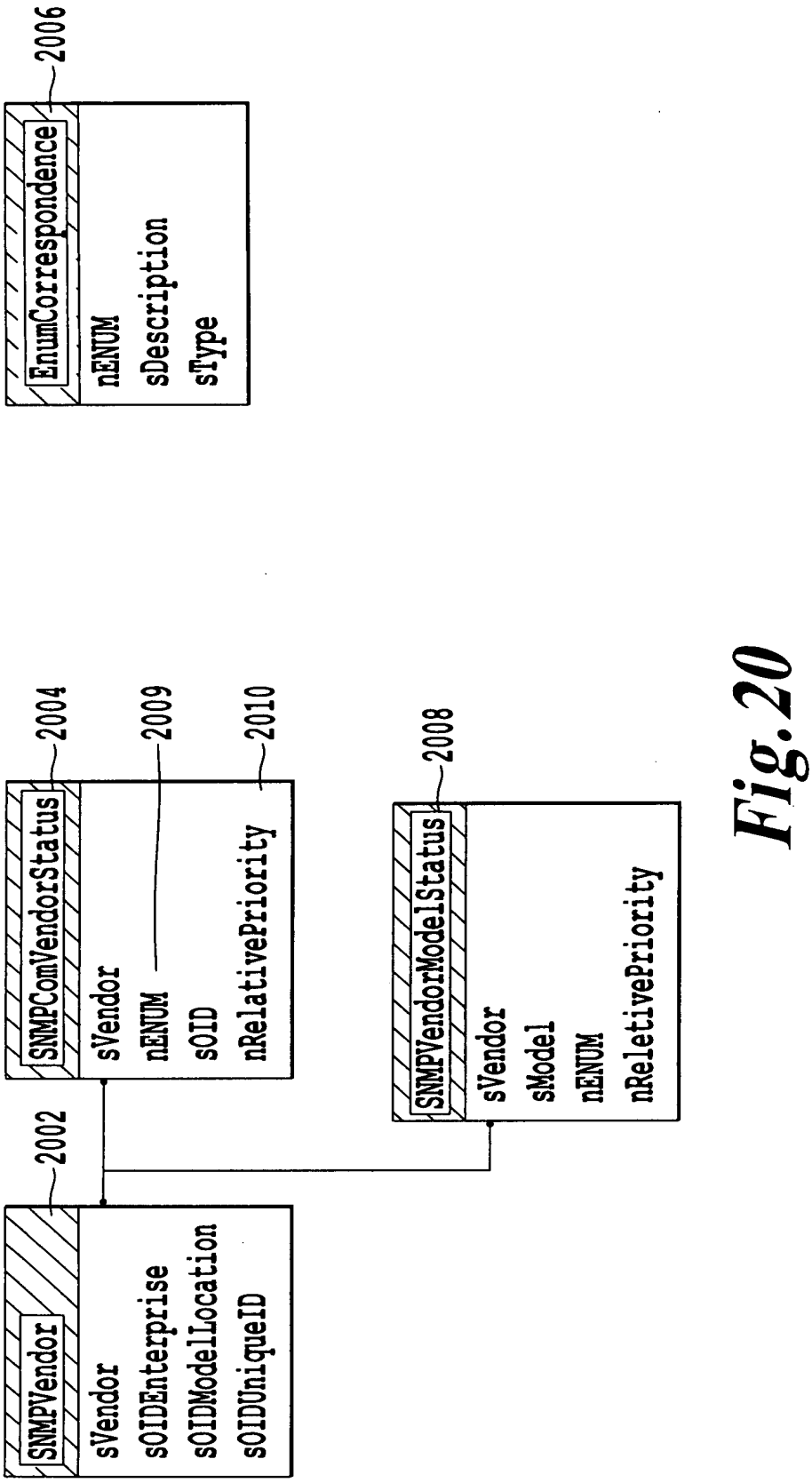

2006
EnumCorrespondence
nENUM
sDescription
sType
2004
SNMPComVendorStatus
sVendor
nENUM
sOID
nRelativePriority
2009
2010
2008
SNMPVendorModelStatus
sVendor
sModel
nENUM
nReletivePriority
2002
SNMPVendor
sVendor
sOIDEnterprise
sOIDModelLocation
sOIDUniqueID

Fig. 20

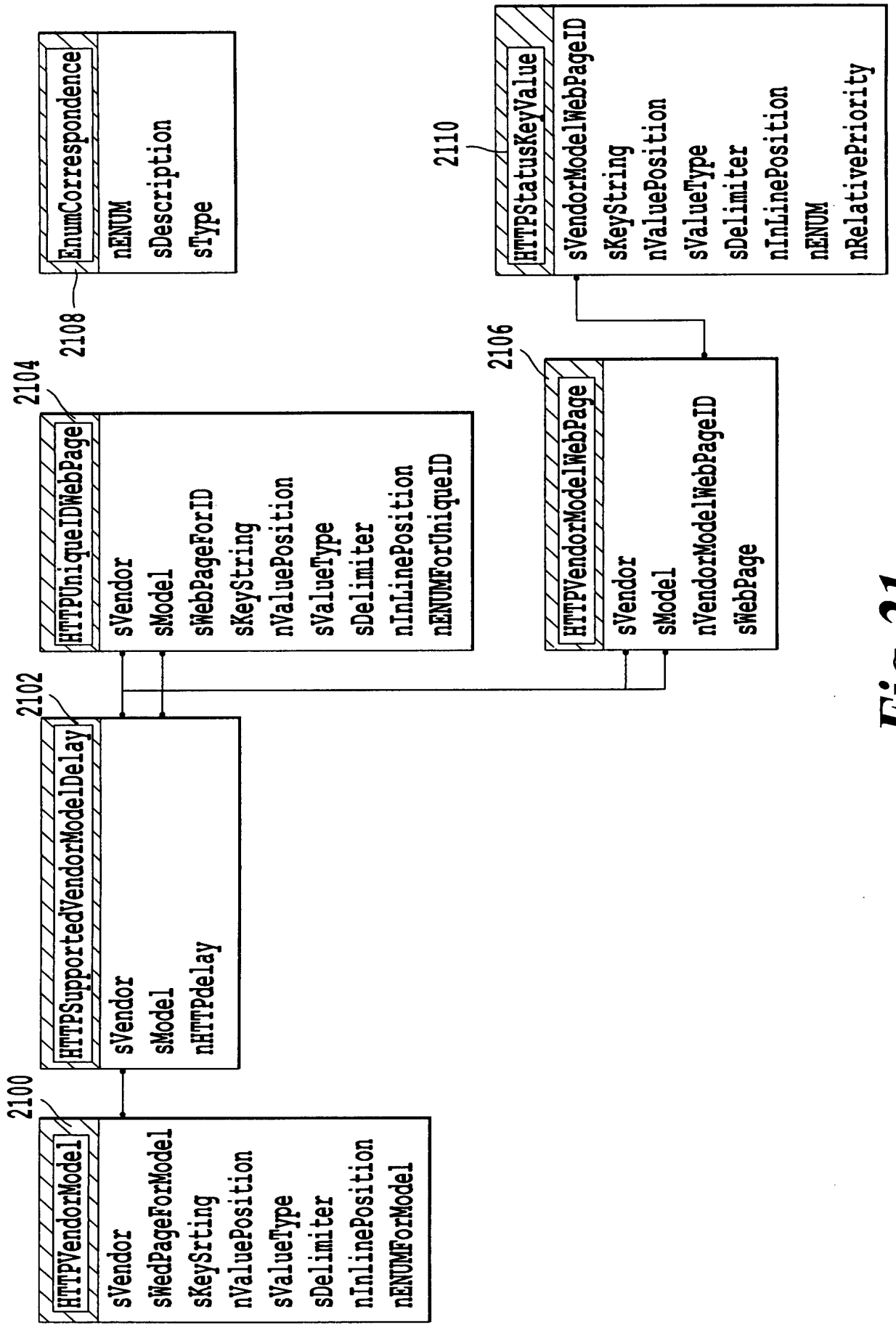

2100
HTTPVendorModel
sVendor
sWedPageForModel
sKeySrting
nValuePosition
sValueType
sDelimiter
nInlinePosition
nENUMForModel
2102
HTTPSupportedVendorModelDelay
sVendor
sModel
nHTTPdelay
2104
HTTPUniqueIDWebPage
sVendor
sModel
sWebPageForID
sKeyString
nValuePosition
sValueType
sDelimiter
nInLinePosition
nENUMForUniqueID
2106
HTTPVendorModelWebPage
sVendor
sModel
nVendorModelWebPageID
sWebPage
2108
EnumCorrespondence
nENUM
sDescription
sType
2110
HTTPStatusKeyValue
sVendorModelWebPageID
sKeyString
nValuePosition
sValueType
sDelimiter
nInLinePosition
nENUM
nRelativePriority

Fig. 21

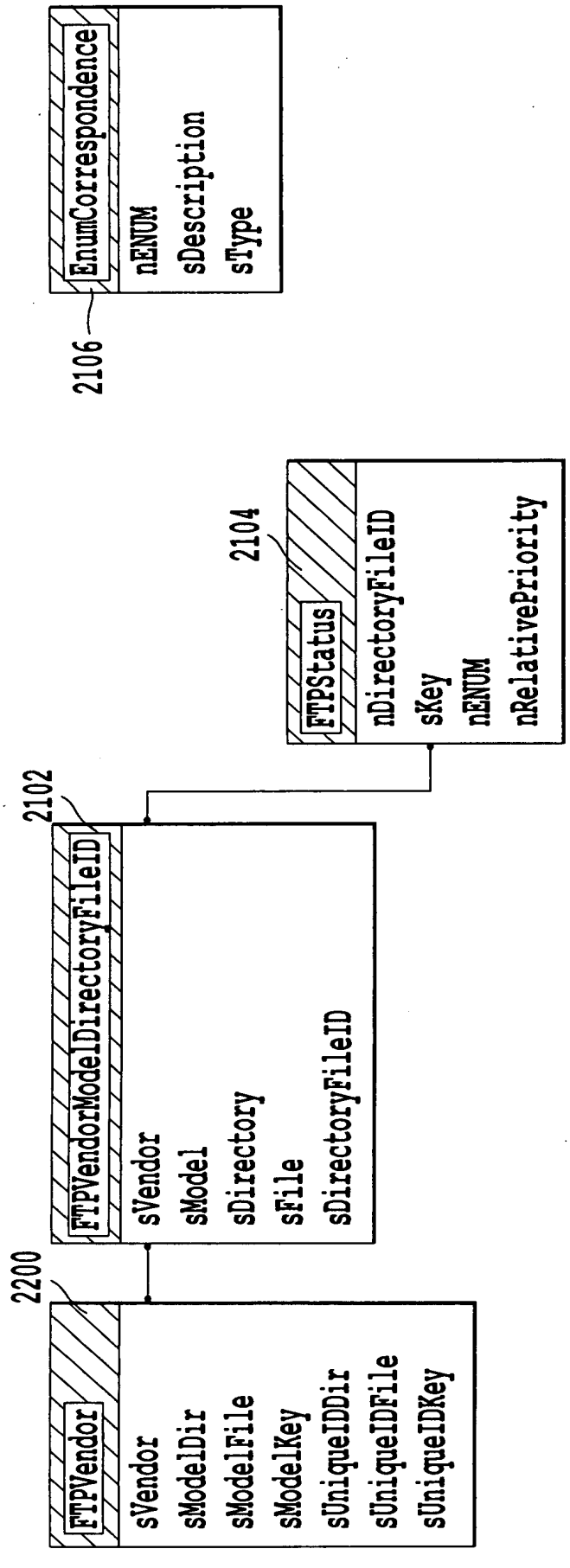

EnumCorrespondence
nENUM
sDescription
sType
2106
FTPStatus
nDirectoryFileID
sKey
nENUM
nRelativePriority
2104
FTPVendorModelDirectoryFileID
sVendor
sModel
sDirectory
sFile
sDirectoryFileID
2102
FTPVendor
sVendor
sModelDir
sModelFile
sModelKey
sUniqueIDDir
sUniqueIDFile
sUniqueIDKey
2200

Fig. 22

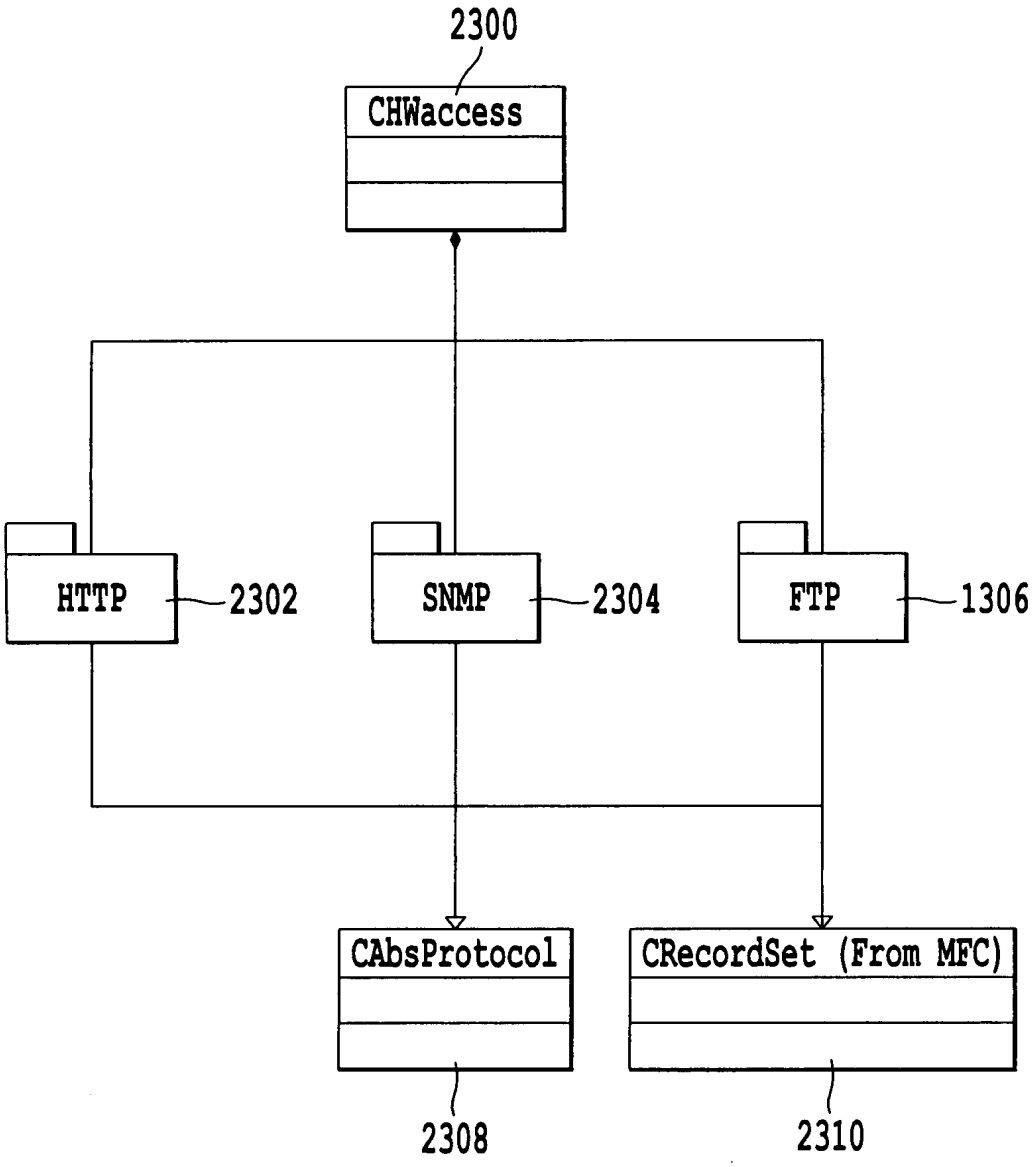

2300
CHWaccess
HTTP
2302
SNMP
2304
FTP
1306
CAbsProtocol
CRecordSet (From MFC)
2308
2310

Fig. 23

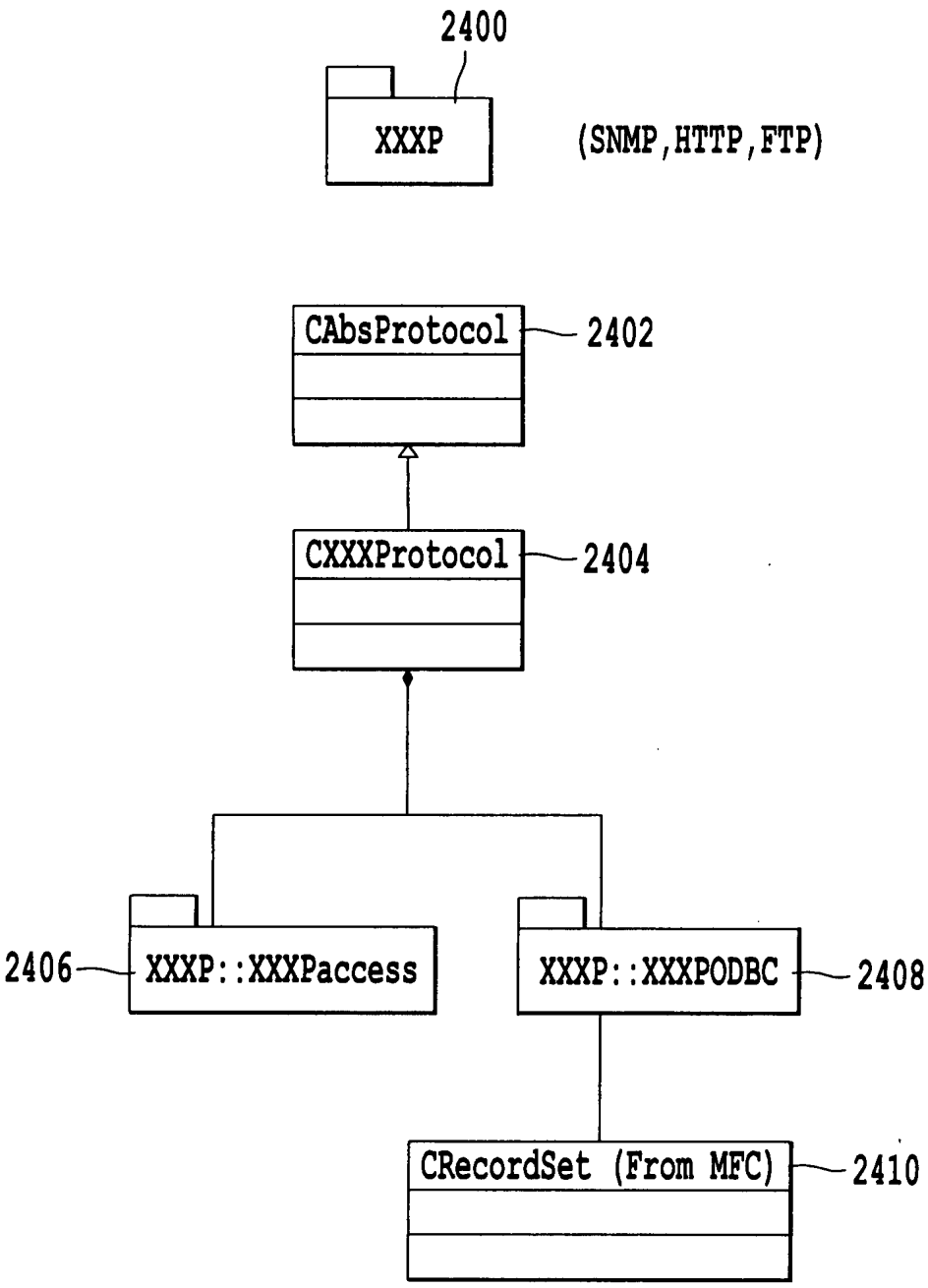

2400
XXXP
(SNMP,HTTP,FTP)
CAbsProtocol
2402
CXXXProtocol
2404
2406
XXXP::XXXPaccess
XXXP::XXXPODBC
2408
CRecordSet (From MFC)
2410

Fig. 24